

FIG. 1

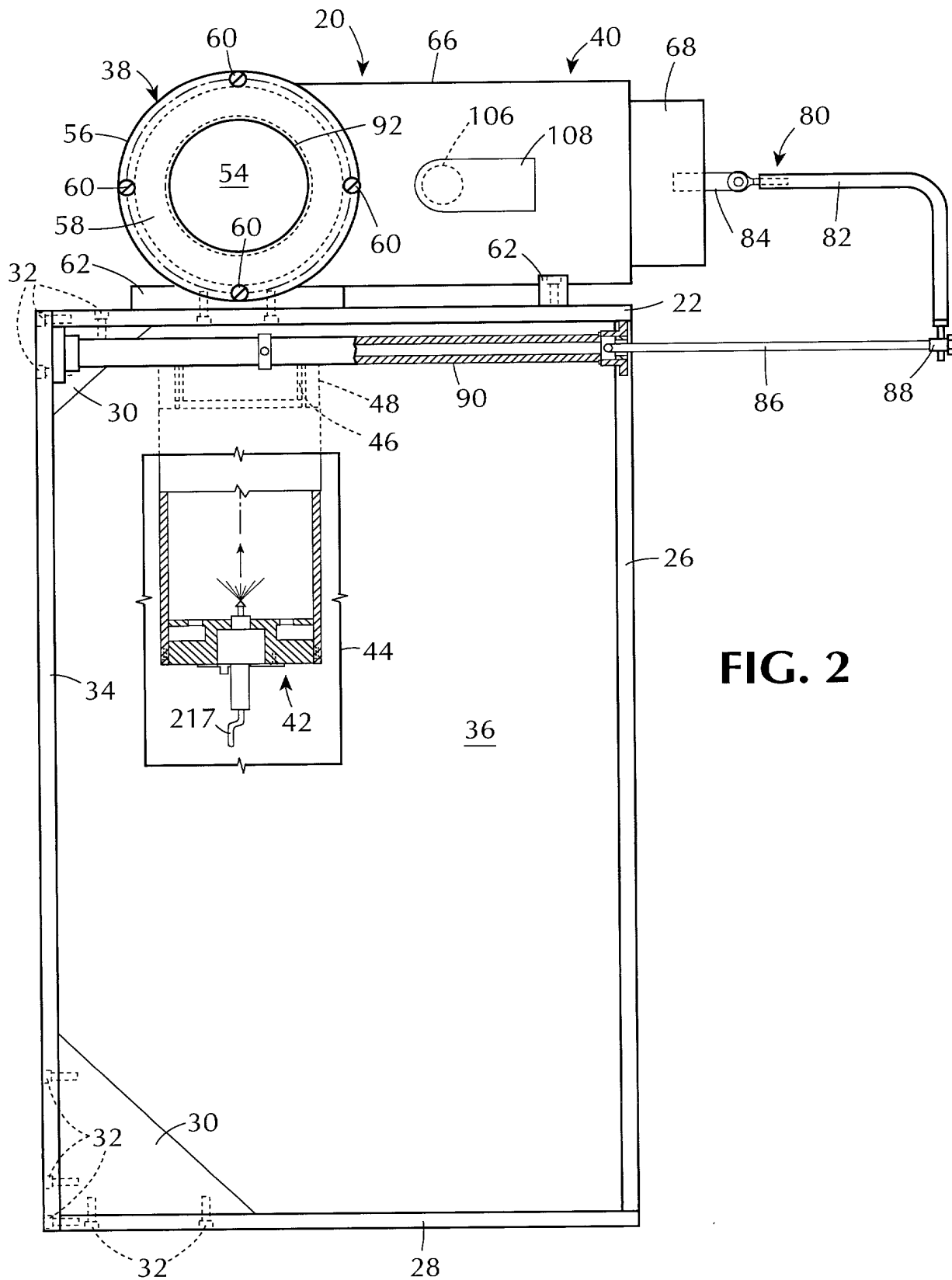
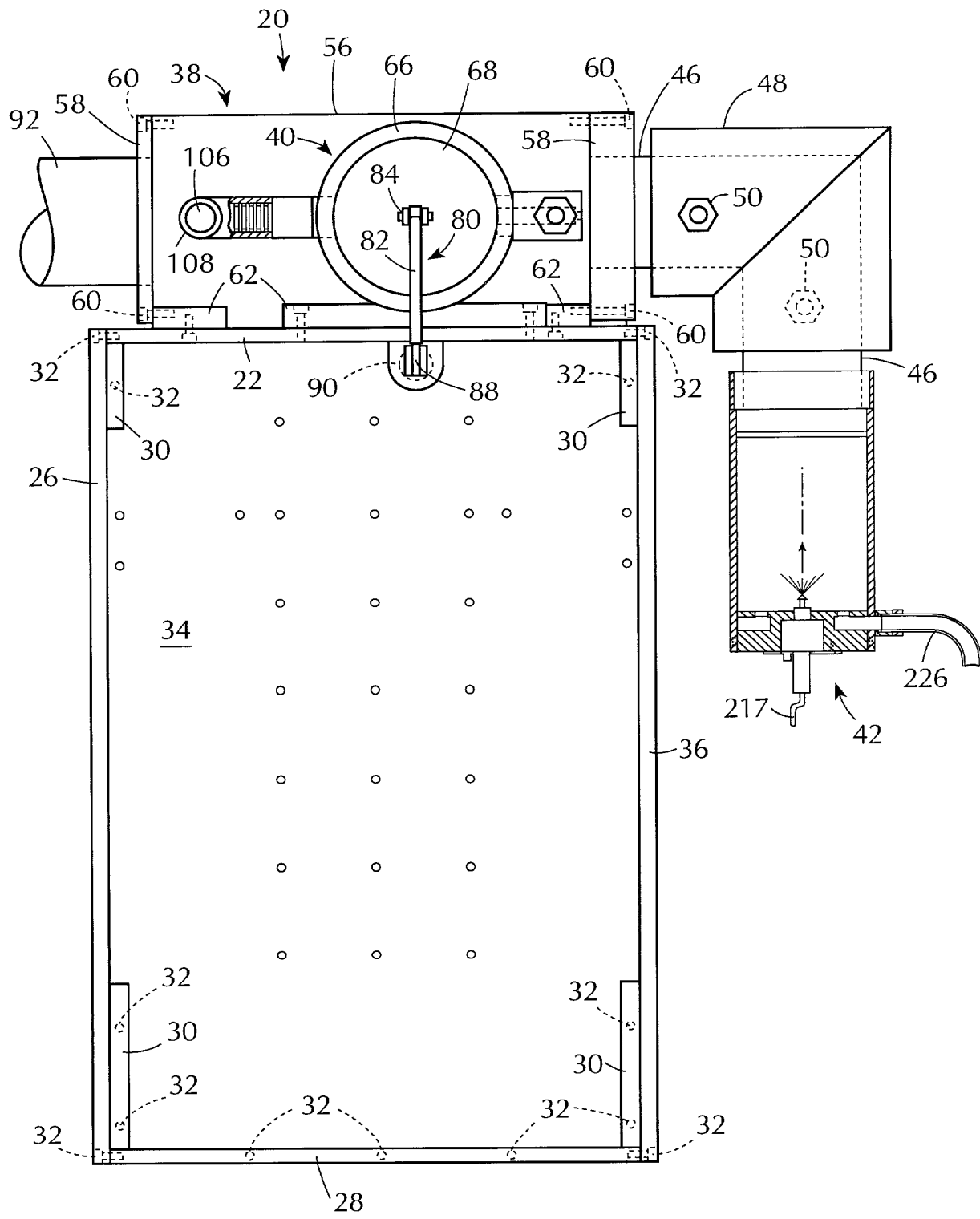


FIG. 2

FIG. 3





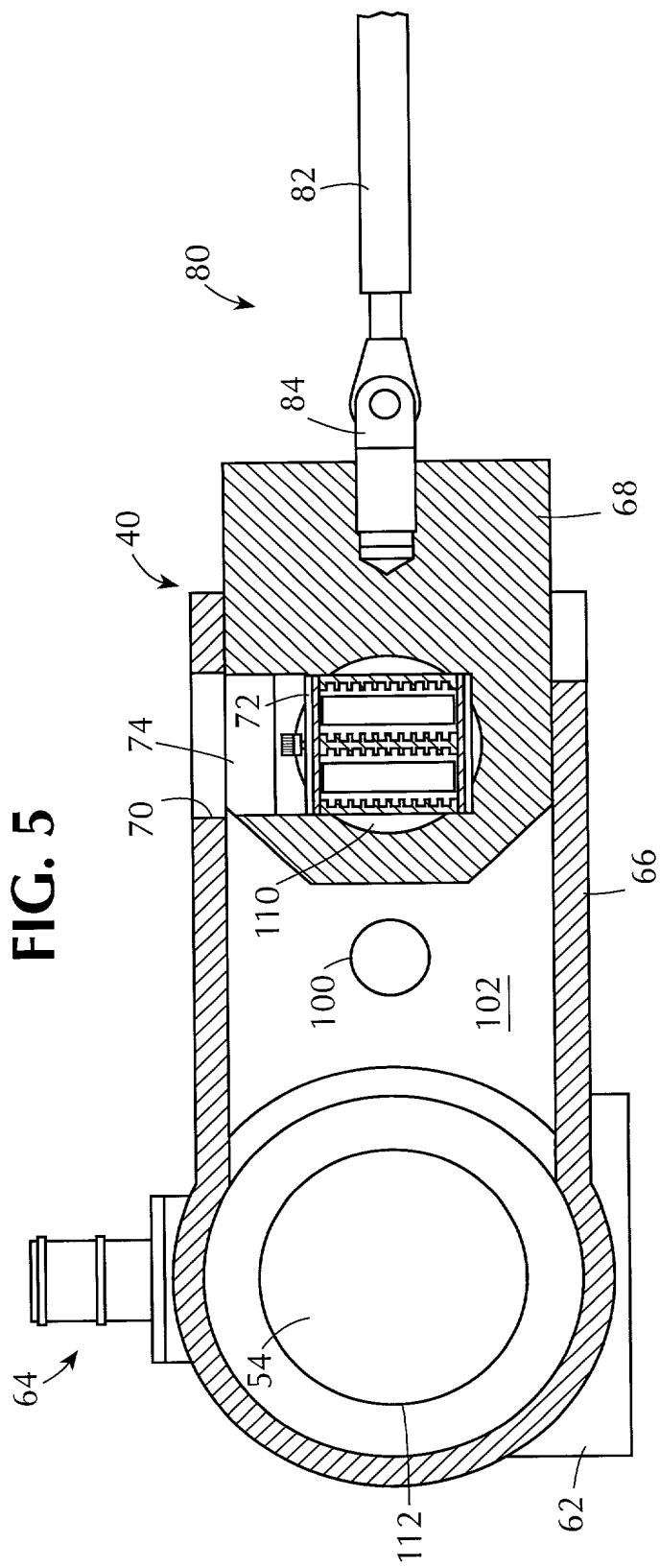


FIG. 5

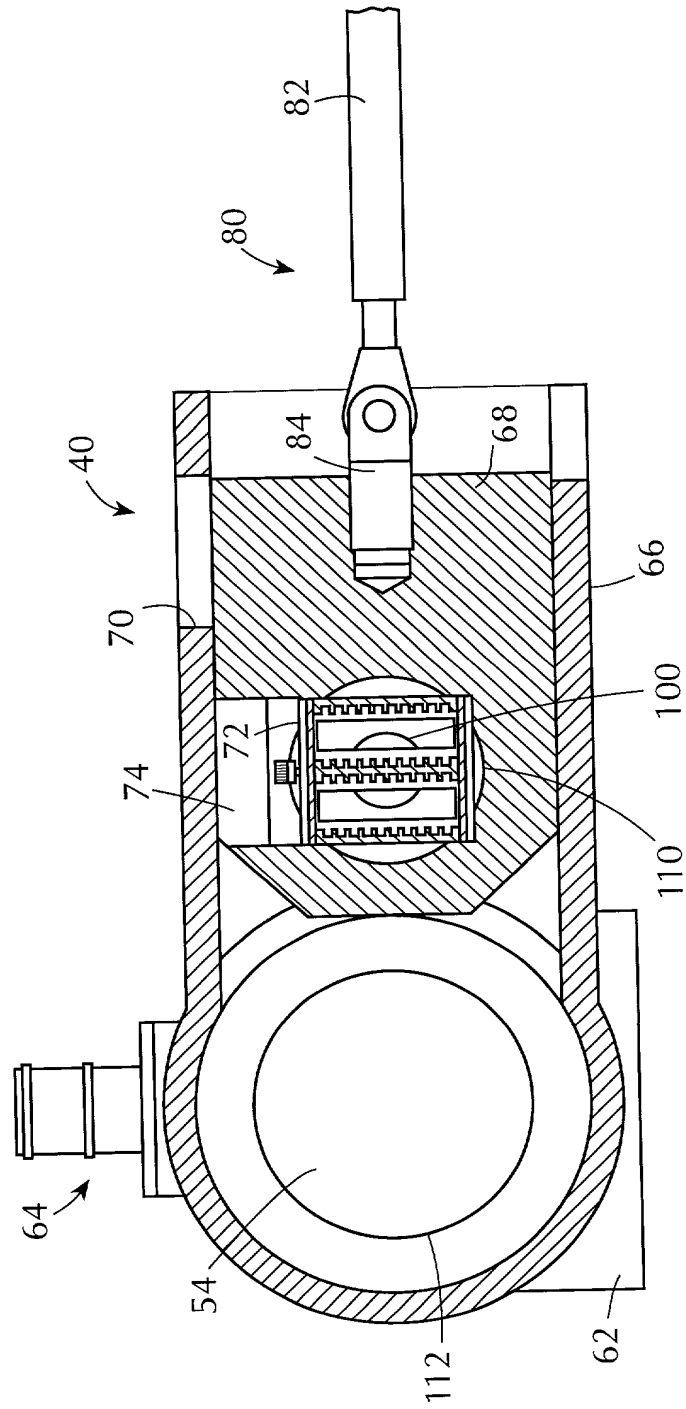
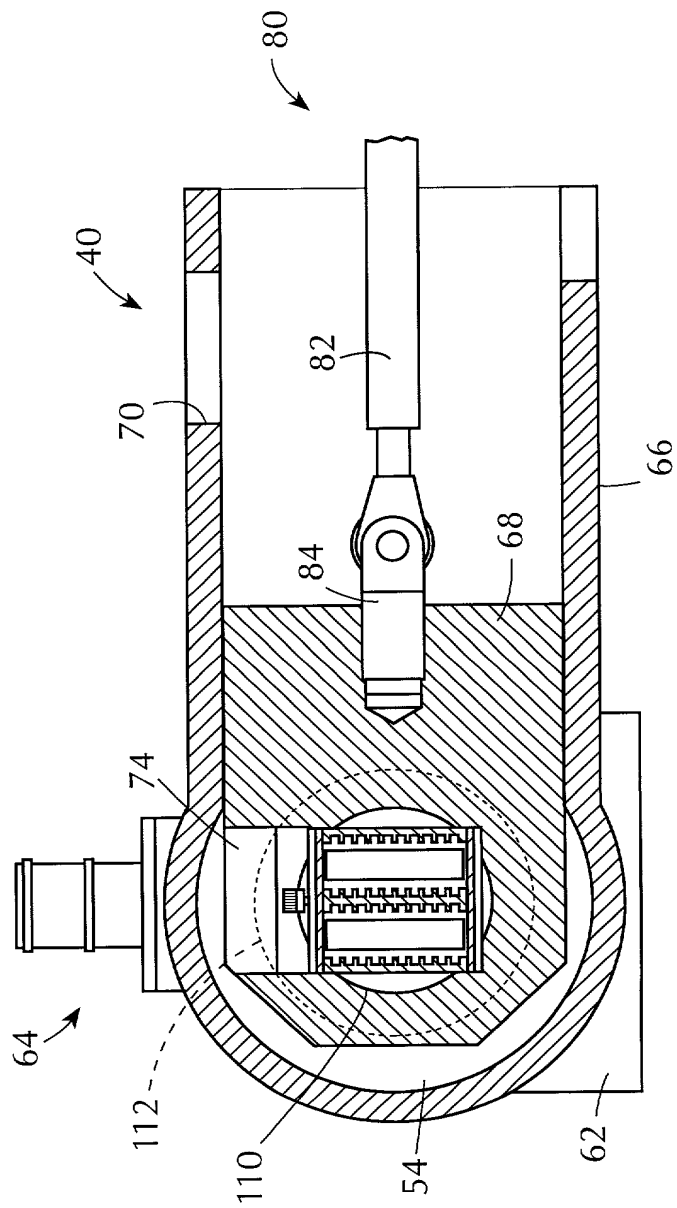


FIG. 7



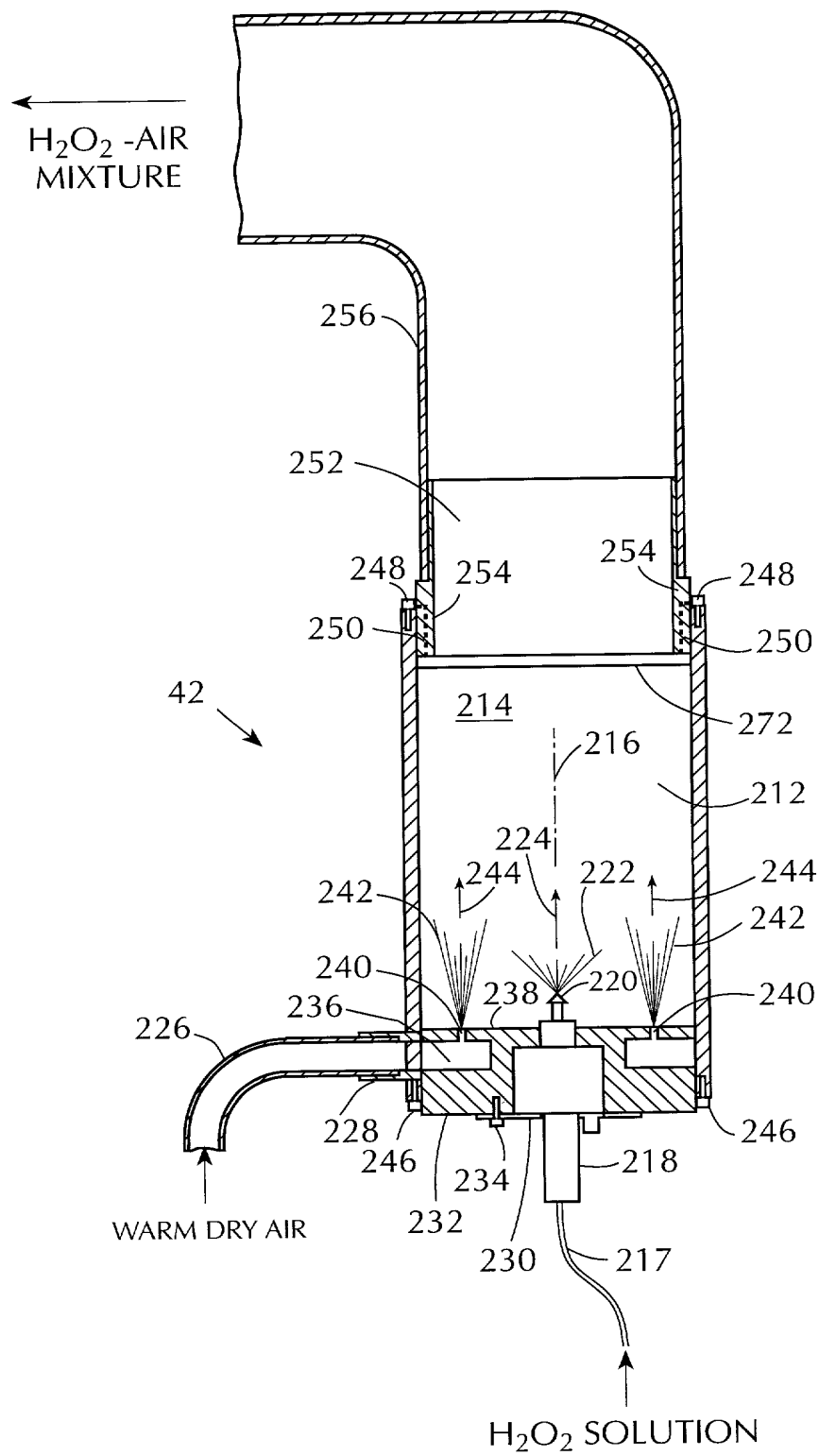


FIG. 9

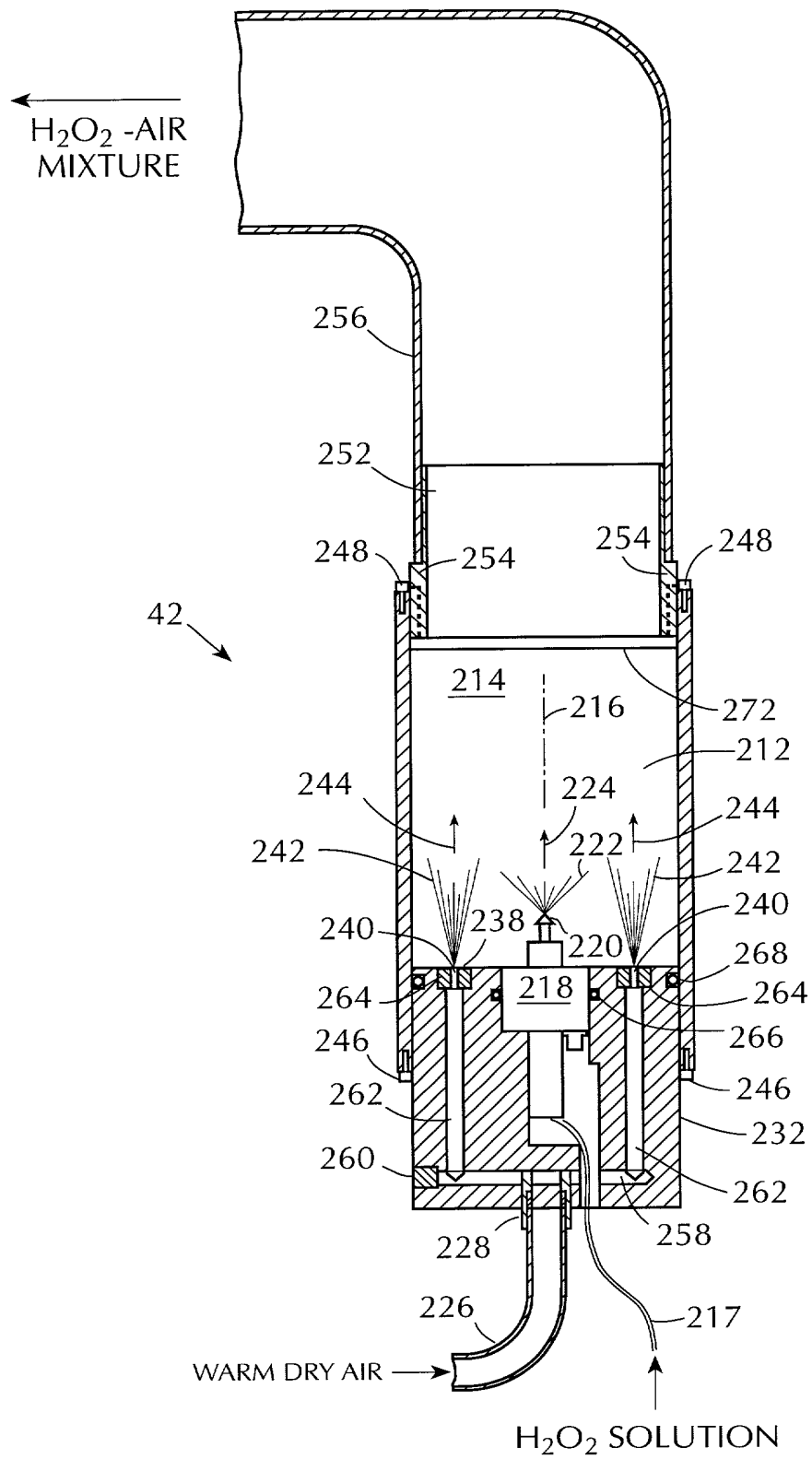


FIG. 10

FIG. 11

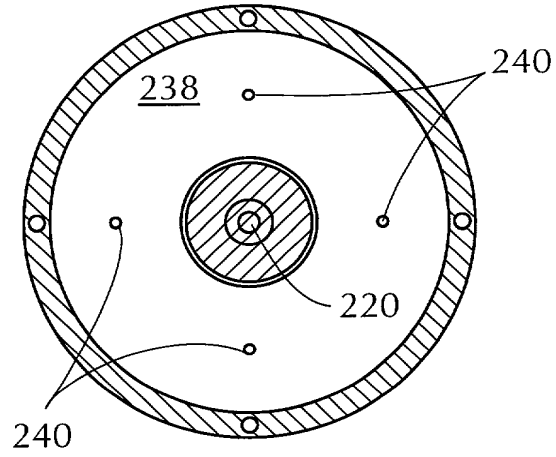
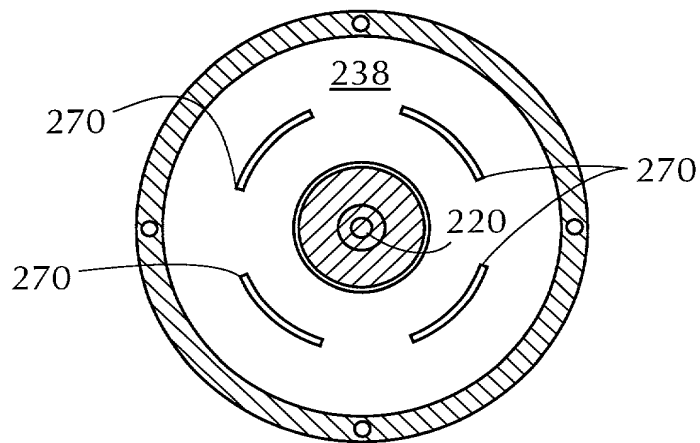


FIG. 12



COMPRESSED AIR

FIG. 13

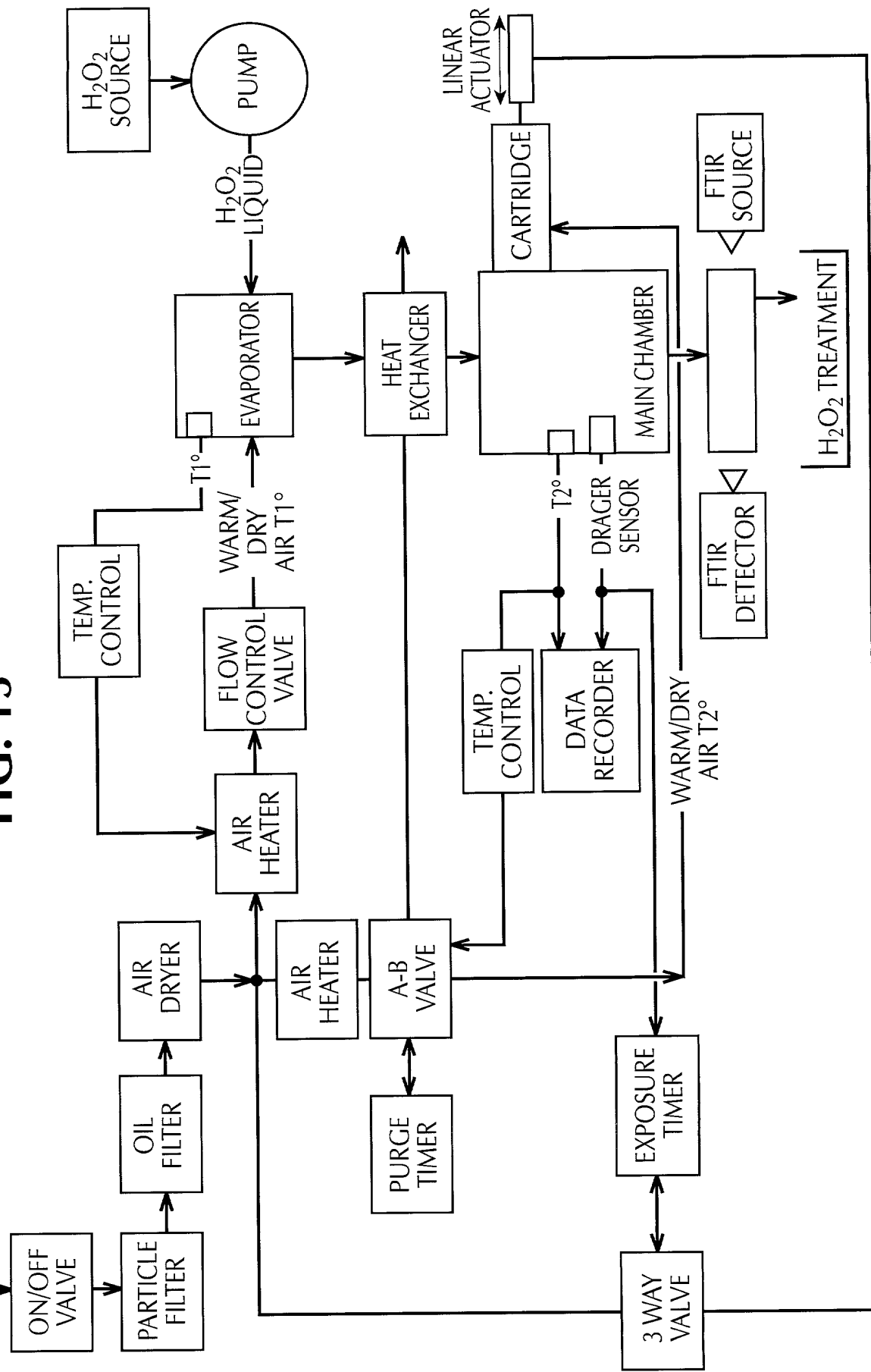


FIG. 14

| Sample | Count 1 | Count 2 | log (Sample 1) | log (Sample 2) | log Average | Range | Log Reduction |
|--------------|---------|---------|----------------|----------------|-------------|--------|---------------|
| 1 | 750 | 710 | 2.8751 | 2.8513 | 2.8632 | 0.0238 | 3.1368 |
| 3 | 1070 | 890 | 3.0294 | 2.9494 | 2.9894 | 0.0800 | 3.0106 |
| 4 | 780 | 970 | 2.8921 | 2.9868 | 2.9394 | 0.0947 | 3.0606 |
| 5 | 370 | 480 | 2.5682 | 2.6812 | 2.6247 | 0.1130 | 3.3753 |
| 6 | 1280 | 1560 | 3.1072 | 3.1931 | 3.1502 | 0.0859 | 2.8498 |
| 7 | 360 | 260 | 2.5563 | 2.4150 | 2.4856 | 0.1413 | 3.5144 |
| 8 | 680 | 650 | 2.8315 | 2.8129 | 2.8227 | 0.0196 | 3.1773 |
| 10 | 820 | 790 | 2.9138 | 2.8976 | 2.9057 | 0.0162 | 3.0943 |
| 12 | 610 | 600 | 2.7853 | 2.7782 | 2.7817 | 0.0072 | 3.2183 |
| 13 | 1200 | 1190 | 3.0792 | 3.0755 | 3.0774 | 0.0036 | 2.9226 |
| 14 | 670 | 600 | 2.8261 | 2.7782 | 2.8021 | 0.0479 | 3.1976 |
| 15 | 620 | 710 | 2.7924 | 2.8513 | 2.8218 | 0.0589 | 3.1782 |
| 16 | 230 | 150 | 2.3617 | 2.1761 | 2.2689 | 0.1856 | 3.7311 |
| 17 | 440 | 360 | 2.6435 | 2.5563 | 2.5999 | 0.0872 | 3.4001 |
| 19 | 2130 | 1840 | 3.3284 | 3.2648 | 3.2966 | 0.0636 | 2.7034 |
| 20 | 810 | 690 | 2.9085 | 2.8388 | 2.8737 | 0.0696 | 3.1263 |
| 21 | 300 | 320 | 2.4771 | 2.5051 | 2.4911 | 0.0280 | 3.5089 |
| 22 | 1390 | 1280 | 3.1430 | 3.1072 | 3.1251 | 0.0358 | 2.8749 |
| 23 | 1320 | 1340 | 3.1206 | 3.1271 | 3.1238 | 0.0065 | 2.8762 |
| 24 | 1460 | 1390 | 3.1644 | 3.1430 | 3.1537 | 0.0213 | 2.8463 |
| Average | | | | | | | 3.1402 |
| Standard Dev | | | | | | | 0.2650 |

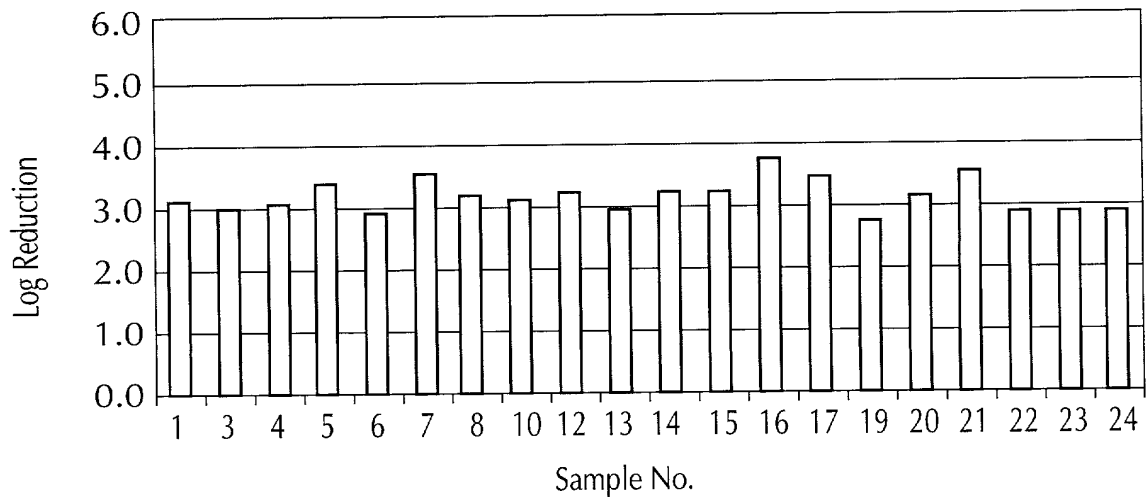
FIG. 15

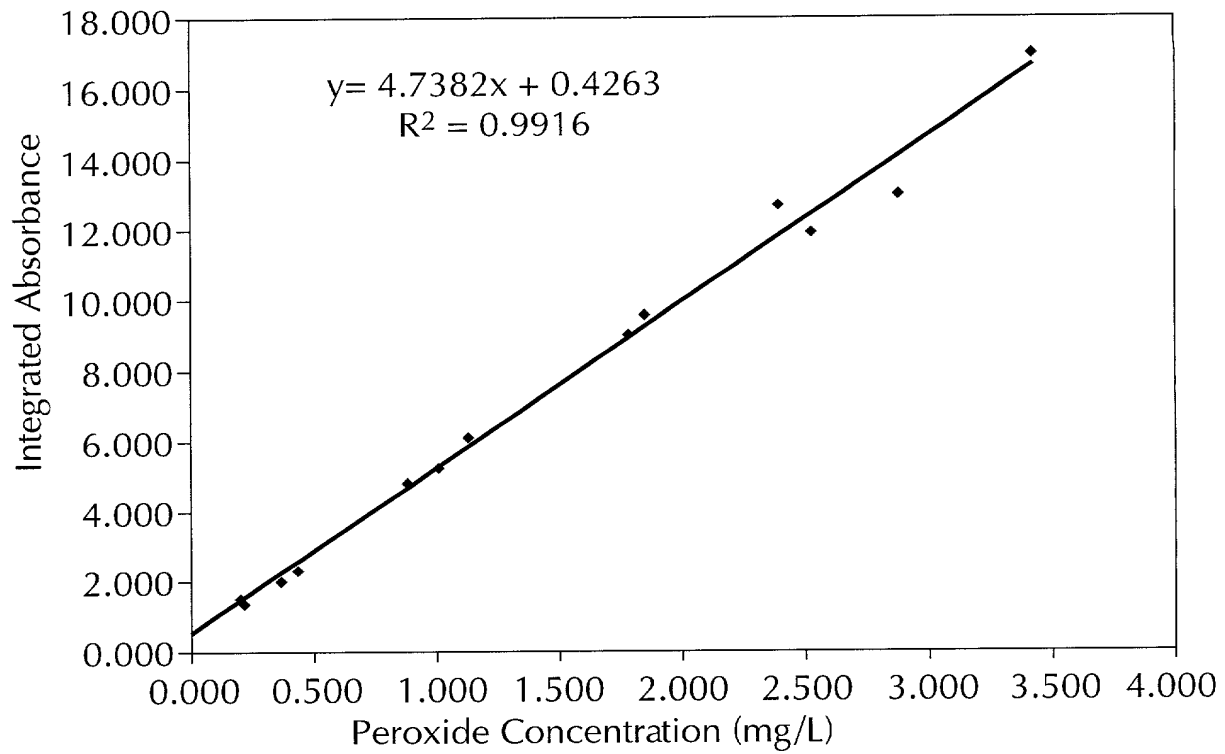
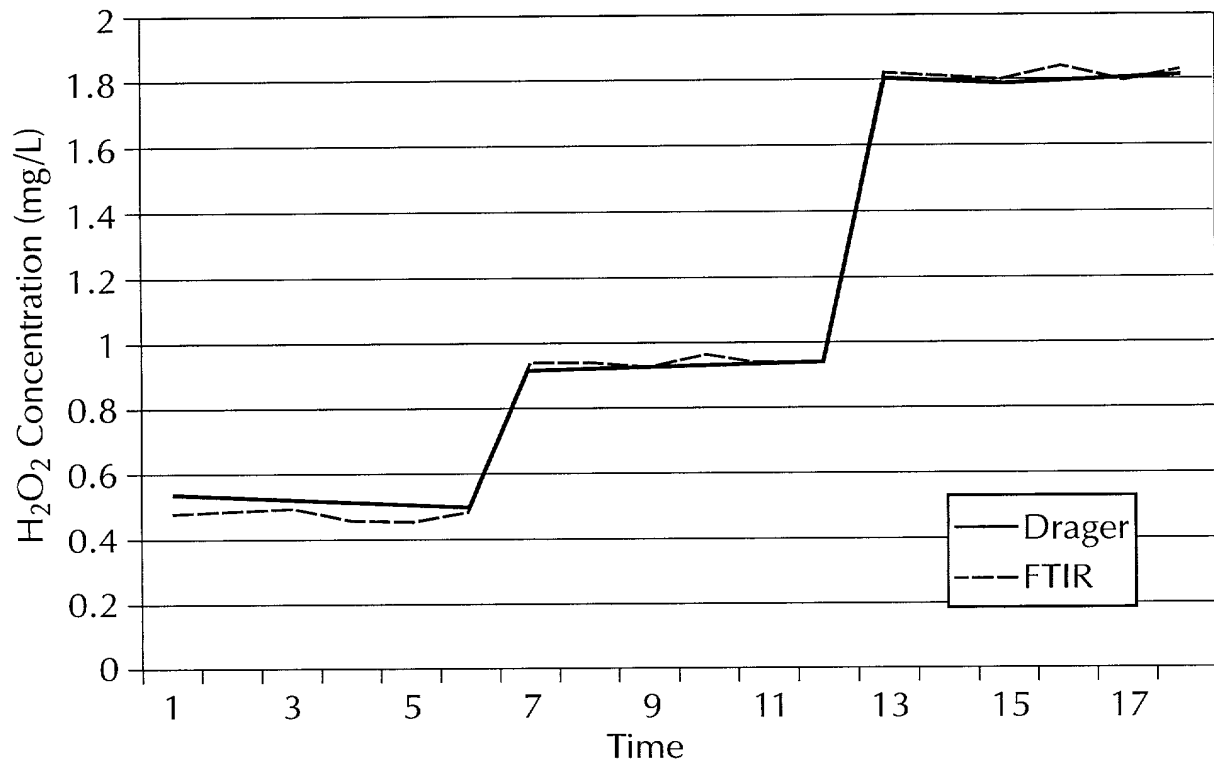
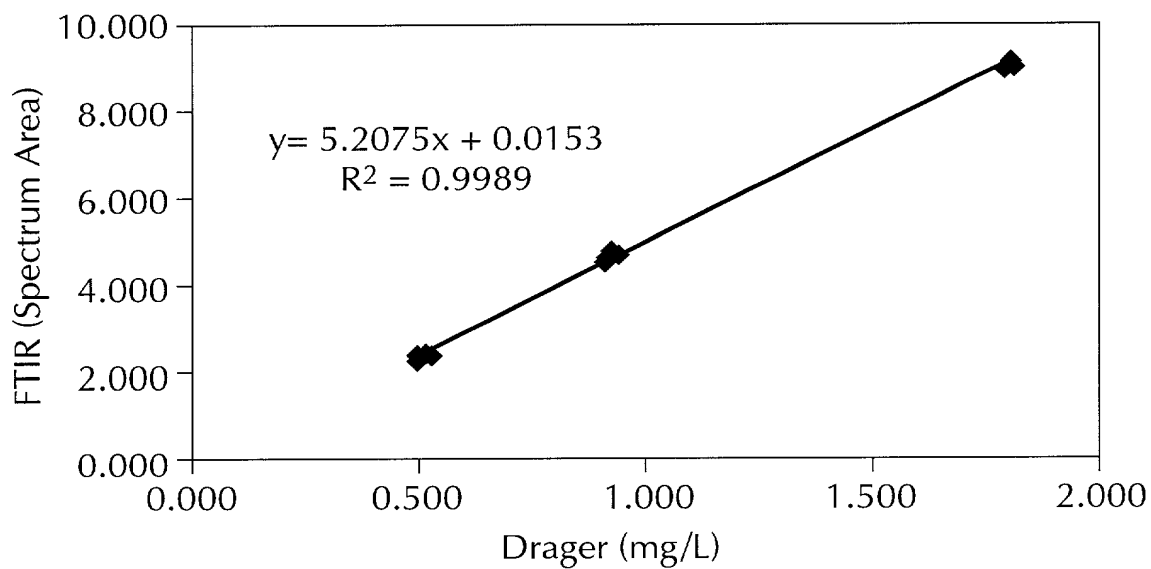
FIG. 16**FIG. 17**

FIG. 18**FIG. 19**